

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) Disc saw blade with a circular saw chain mounted around the circumference of a circular disc, the saw chain provided with driving links, connecting links and cutting links, wherein the chain is guided by means of the driving links in at least one chain groove arranged around the periphery of the disc, against the bottom of the groove, a projecting part of each driving link that projects radially inwards can make contact, in that the bottom of the groove has radial projections distributed around the circumference and the driving link has a cam surface on the part that projects radially inwards for interaction with the respective radial projection, and in that the chain when driven, moves from a neutral position in which the chain is loosely mounted around the circumference of the disc and the projecting part of the respective driving link is loosely inserted between two adjacent radial projections, to a working position in which the chain is tensioned around the circumference of the disc and the cam surface on the respective driving link is in contact with the associated radial projection, wherein the length of the saw chain is matched to the radius (r_o) of the disc, so that with the saw chain and the disc arranged concentrically in the neutral position, the saw chain is loosely mounted on the disc to provide play in the circumferential direction of the disc, and wherein a radius (r_{sb}) to the bottom of the groove of each driving link is shorter than a radius (r_{id}) to the projecting part measured along the same radial line as said radius (r_{sb})

and shorter than a radius (r_{μ}) to a radially outer end of each projection, wherein the cam surface on each driving link is designed to cause the saw chain to be displaced generally radially outwards along a respective radial projection by a camming action of the radial projection during rotation of the disk to take-up the play and tension the saw chain in a way that the chain is held onto the disc as a result of its tensioned shape.

2-3. (Cancelled).

4. (Previously Presented) Disc saw blade according to Claim 1, wherein the bottom of the groove has a predetermined number of projections distributed evenly around the circumference of the disc.

5. (Previously Presented) Disc saw blade according to Claim 1, wherein the bottom of the groove has one projection for each driving link.

6. (Previously Presented) Disc saw blade according to Claim 1, wherein radial cross-section of each projection is lug shaped.

7. (Previously Presented) Disc saw blade according to Claim 1, wherein radial cross-section of each projection is pyramid shaped.

8. (Previously Presented) Disc saw blade according to Claim 1, wherein radial cross-section of each projection is dome shaped.

9. (Previously Presented) Disc saw blade according to Claim 1, wherein radial cross-section of each projection is designed as a truncated cone, that has a complementary shape to the cam surface of the interacting driving link.

10. (Currently Amended) Disc saw blade according to Claim 1, wherein a plurality of chain grooves is, ~~for a disc with several saw chains that run parallel,~~
~~corresponding chain grooves are~~ formed in the disc for receiving respective saw chains.

11. (Previously Presented) Disc saw blade according to Claim 1, wherein the construction of the chain is such that the connecting links are spaced entirely radially outwardly with respect to radially outermost portions of the radial projections when the chain is in said neutral position, and when the chain is being driven.